

Explorer® 3200 Digital Interactive Set-top

Description

With the release of the Explorer® 3200 Digital Interactive Set-top, Scientific-Atlanta offers a faster RISC⁽¹⁾ processor to optimize interactivity on the cable operator's digital network.

The Explorer 3200 Set-top features a 32-bit, 166 MHz processor and a reverse-path DAVIC transmitter capable of sending and receiving data at speeds up to 1.544 Mbps. With its fast response time, the Explorer 3200 Set-top provides subscribers with instant, real-time feedback to remote control "clicks" or requests for on-demand content.



Overall size of the Explorer 3200 Set-top is 30 percent smaller than its predecessor, resulting in reduced shipping and warehousing costs for the cable operator.

Total available memory is 24 MB, which provides ample support for video-on-demand (VOD), subscription VOD (SVOD), e-mail, chat services, Internet access, and other applications such as games.

The Explorer 3200 Set-top also complies with OpenCable, CableLabs/SCTE, and DAVIC standards to ensure broad-based applications support and scalability.

(1) The Reduced Instruction Set Computer (RISC) processor takes advantage of simple instruction sets and uniform encoding to improve performance.

Features

Powerful 166 MHz, 32-bit RISC Processor

- Delivers fast system response time

24 MB Total Memory

- 16 MB CPU DRAM
- 4 MB Graphics DRAM
- 4 MB Flash EPROM

Reverse Path DAVIC Data Transmitter

- Allows instantaneous, IP-based, real-time two-way communication between the Explorer 3200 Set-top and the headend
- Drives interactive services such as Internet browsing, VOD, SVOD, e-mail, and chat
- Transmits and receives up to 1.544 Mbps

Universal Serial Bus (USB) Interface

- Offers quick and easy connectivity to digital peripherals such as Web printers and cameras

Small Footprint

- 30% reduction in overall size compared with predecessor, the Explorer 3100 DHCT

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Dolby® AC-3® and Musicam Digital Audio Support	<ul style="list-style-type: none"> Provides capability to distribute content in these high-quality audio formats
PowerKEY® Conditional Access System	<ul style="list-style-type: none"> Secures digital services using an RSA encryption algorithm that mathematically matches pairs of keys
PowerTV® Operating System with HTML Client Engine	<ul style="list-style-type: none"> Offers extensive operating system and open Application Programming Interfaces (APIs) to support native applications and third-party middleware applications Allows upgrades using a network download
Enhanced Graphics Engine	<ul style="list-style-type: none"> Displays up to 65,000 colors simultaneously Enables high-resolution graphics (640 x 480 pixels) while simultaneously scaling MPEG-2 video
64 and 256 ITU Annex B QAM Support	<ul style="list-style-type: none"> Supports standards-based QAM delivery and demodulation
Analog and Digital Service Tuner	<ul style="list-style-type: none"> Allows both non-scrambled analog and MPEG-2 digital channels to be tuned and displayed
Both Internal Security Microprocessor and Smart Card Slot	<ul style="list-style-type: none"> Provides hardware-assisted conditional access options with capability to upgrade the security, if needed
Macrovision® Copy Protection Support (licensing not included)	<ul style="list-style-type: none"> Activation allows cable operators to add another layer of copy protection software—Macrovision—that restricts unauthorized subscribers from copying digital transmissions such as VOD and SVOD
MPEG-2 MP@ML Digital Video Decompression	<ul style="list-style-type: none"> Allows high-volume transport and decompression of audio and video Powered by 4 MB of onboard dedicated DRAM to ensure fast decompression of MPEG and graphics Provides video resolution up to 720 x 480 pixels
BTSC/SAP Decoder	<ul style="list-style-type: none"> Enables stereo sound on analog channels using the baseband left and right audio outputs
S/PDIF Digital Audio Interface	<ul style="list-style-type: none"> Supports Dolby Digital™ technology contained in interconnected audio receivers
Name Branding	<ul style="list-style-type: none"> A section of the Explorer 3200 Set-top faceplate is reserved for prominent display of the cable operator's name and/or logotype

Ordering & Availability	
Standard Features: <ul style="list-style-type: none"> Digital tuner; high-quality Analog tuner; high-quality 166 MIPS 16 MB applications DRAM Front panel USB port Interactive navigation buttons - complete set on front panel 	Part Number: <ul style="list-style-type: none"> 745625 Optional Features: <ul style="list-style-type: none"> Expanded memory Available: <ul style="list-style-type: none"> Scheduled for release March 2002

Specifications, features, and product availability are subject to change without notice.



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